

ATTACHMENT FOR CLAIM AMENDMENTS

The following is a marked up version of each amended claim in which underlines indicates insertions and brackets indicate deletions.

1. (THREE TIMES AMENDED) A method of manufacturing a sensor device comprising a circuit having organic thin films formed on surfaces of microelectrodes [electrodes], and a transducing element capable of transducing information recognized by the organic thin films into electric signals, the method comprising:

printing a solution of thin film material through an ink jet nozzle [as micro dots] onto the surfaces of the microelectrodes such that organic thin films are formed on the microelectrodes,

wherein the solution [of thin film material] comprises [a composition resulting from dissolution of] an electro-conductive polymer [in], a solvent, and a material selected from the group consisting of enzymes, antibodies, artificially synthesized molecules having recognizing functions similar to those of enzymes or antibodies, and mixtures thereof.

wherein the ink jet nozzle has a piezo-electric element, the ink jet nozzle is a multi-line head nozzle, and the solution has a viscosity of about 3 centipoise or less.